

# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

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No. 24] NEW DELHI SATURDAY, JUNE 14, 1997 (JYAISTHA 24, 1919)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III-SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
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Calcutta, the 14th June 1997

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Pondicherry and the Union  
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and Aminidivi Islands.

Telegraphic address "PATENTOFIS"

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'NIZAM PALACE', 2nd M.S.O.  
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Bose Road, Calcutta-700 020.

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## पेटेंट कार्यालय

## एकस्य तथा अभिकल्प

कलकत्ता, दिनांक 14 जून 1997

## पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टांड़ी इस्टेट,  
तीसरा तल, लोअर परले (प.),  
मम्बई-400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश  
तथा गोजा राज्य क्षेत्र एवं संघ  
शासित क्षेत्र, दमन तथा दीव एवं  
दावर और नगर हवेली।

तार पता—"पेटेंटॉफिस"

पेटेंट कार्यालय शाखा,  
एकक सं 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू  
तथा कश्मीर, पंजाब, राजस्थान,  
उत्तर प्रदेश तथा दिल्ली राज्य  
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता—"पेटेंटॉफिस"

## पेटेंट कार्यालय

बिंग सी (सी-4, ए)

तीसरा तल, राजाजी भवन बसन्त नगर,  
मम्बई-600090।

आन्ध्र प्रदेश, कर्नाटक, केरल तमिलनाडु  
तथा पाण्डिचेरी राज्य क्षेत्र एवं  
संघ शासित क्षेत्र, लक्षद्वीप, मिनिक्काय  
तथा एमिनिदिवि द्वीप।

तार पता—"पेटेंटॉफिस"

पेटेंट कार्यालय (प्रधान कार्यालय)  
निजाम पैलेस, द्वितीय बहुसलीय कार्यालय  
भवन, 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस मार्ग,  
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र।

तार पता - "पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में  
अपीकृत सभी आवेदन-पत्र सूचनाएं, विवरण या अन्य प्रलेख पेटेंट  
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा  
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा  
बैंक आदेश या जहाँ उपयुक्त कार्यालय अवस्थित है, उस स्थान  
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा  
बैंक द्वारा की जा सकती है।

APPLICATION FOR PATENT FILED AT THE HEAD  
OFFICE 234/4, ACHARYA JAGADESH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crecent brackets are the dated  
claimed under section 135, of Patent Act, 1970.

1-5-1997

779/Cal/97. Fujitsu General Limited, "Air conditioner and  
control method of the same". (Convention No. 8-190318 on 19-7-96 & 9-32781 on 31-1-97 in  
Japan).

780/Cal/97. Engelhard Corporation, "High bulk density  
calcined clay". (Convention No. 08/646,901 on 8-5-96 In USA)..

781/Cal/97. Hitachi, Ltd.. "PWM inverter apparatus". (Con-  
vention No. 8-143543 on 14-5-96 in Japan).

782/Cal/97. Hitachi Ltd., "Sealing apparatus for use in rol-  
ling bearing". (Convention No. 8-125309 on 21-5-96 in Japan).

783/Cal/97. Merck Patent Gesellschaft Mit Beschränkter  
Haftung. "Platelelike titanium dioxide pigments".  
(Convention No. 19618564.5 on 9-5-96 in Ger-  
many).

784/Cal/97. Merck Patent Gesellschaft Mit Beschränkter  
Haftung. "Multilayer interference pigments".  
(Convention No. P19618566.1 on 9-5-96 in  
Germany).

785/Cal/97. Merck Patent Gesellschaft Mit Beschränkter  
Haftung. "Multilayer interference pigments".  
(Convention No. P19618569.6 on 9-5-96 in Ger-  
many).

786/Cal/97. Hoechst Aktiengesellschaft, "A process for the  
preparation of nitrogen-containing surface-active  
compound". (Divided out of Appln. No. 298/  
Cal/92 antdated to 30-4-92).

787/Cal/97. Hoechst Aktiengesellschaft, "A process for the  
preparation of nitrogen-containing surfactant-active  
compound". (Divided out of Appln. No. 298/  
Cal/92 antdated to 30-4-92).

2-5-1997

788/Cal/97. Rama Prasad Datta, "Automatic starch of Rico  
etc, separator".

789/Cal/97. Ausimont S.P.A., "Process for the regeneration  
of a catalyst based on trivalent chromium, com-  
pounds". (Convention No. MI96 A 000891 on  
6-5-96 in Italy).

- 790/Cal/97. Standex International Corporation, "Pump having relief valve seat free of direct structural restraint". (Convention No. PCT/US96,17276 on 30-10-1996).
- 791/Cal/97. Ramchander Heeralall Limited, "Elastic rail-fastening clip particularly for use in holding thick web switch stock rail, and railway rail fastening assembly with such clip".
- 792/Cal/97. Seb S.A., "Electric kettle with metal heater plate". (Convention No. 96 05987 on 14-5-96 in France).
- 793/Cal/97. Merck Patent Gesellschaft Mit Beschränkter Haftung, "Plateletlike titanium dioxide reduction pigment". (Convention No. 19618562.9 on 9-5-96 in Germany).
- 794/Cal/97. Merck Patent Gesellschaft Mit Beschränkter Haftung, "Titanate-containing pearlescent pigment". (Convention No. 19618563.7 on 9-5-96 in Germany).
- 795/Cal/97. Merck Patent Gesellschaft Mit Beschränkter Haftung, "Metal oxide-coated titanium dioxide platelets". (Convention No. P19618568.8 on 9-5-96 in Germany).
- 796/Cal/97. Merck Patent Gesellschaft Mit Beschränkter Haftung, "Adhesion receptor antagonists". (Convention No. 19620041.5 on 17-5-96 in Germany).
- 797/Cal/97. Lyondell Petrochemical Company, "Catalyst system containing reaction product of liquid silicone and polyamine". (Convention No. 08/643,102 on 2-5-96 & on 6-3-97 in USA).
- 798/Cal/97. Iscar Ltd., "Cutting tool and insert bearing cartridge".
- 799/Cal/97. Hoechst Aktiengesellschaft, "A process for the preparation and fractionation of a mixture of dimethyl ether and chloromethane with water as extractant". (Convention No. 19625283.0 on 25-6-96 in Germany).
- 800/Cal/97. Ian Robert Malcolm Howgate, "Improved hockey stick". (Convention No. 9609432.1 on 4-5-96 in Great Britain).
- 801/Cal/97. Owens Corning Canada Inc., "Collection and deposition of chopped fibrous strands for formation into non-woven webs of bonded chopped fibers". (Convention No. 08/646,698 on 3-5-96 in USA).
- 5-5-1997
- 802/Cal/97. Siemens Aktiengesellschaft, "Method for making electrically conductive connections between two or more conductor structure". (Convention No. 19618099.6 on 6-5-96 in Germany).
- 803/Cal/97. Purdue Research Foundation, "Stable recombinant yeasts for fermenting xylose to ethanol". (Convention No. 60/016,865 on 6-5-96 in USA).
- 804/Cal/97. Hoechst Aktiengesellschaft, "A process for the preparation and fractionation of a mixture of dimethyl ether and chloromethane with methanol as extractant". (Convention No. 19625282.2 on 25-6-96 in Germany).
- 805/Cal/97. Asahi Kasei Kogyo Kabushiki Kaisha, "Vinyl polymer preparation process, vinyl monomer polymerization initiator and styrene resin compositions".
- 806/Cal/97. Johnson & Johnson Kabushiki Kaisha, "Method of heat sealing adhesive bandage and adhesive bandage made by using said method". (Convention No. 146445/96 on in Japan).
- 807/Cal/97. Samsung Electronics Co, Ltd., "Portable electronic read instrument for exclusively playing a magnetically of optically recorded medium method therefor". (Convention No. 35471/1996 on 24-8-96 in Korea).
- 808/Cal/97. N.V. Owens-Corning S.A., "High solubility size composition for fibres". (Convention No. 08/646,606 on 8-5-96 in USA).
- 809/Cal/97. Dresser Industries, Inc., "Low noise ball valve assembly". (Convention No. 08/710-688 on 23-9-96 in USA).
- 810/Cal/97. Discovery Communications, Inc., "A network controller". (Divided out of No. 763/Cal/93, dated 7-12-1993).
- 811/Cal/97. Haedong Metal Co., Ltd., "Deck panel for reinforced concrete slabs".
- 812/Cal/97. Montell Technology Company BV., "Polyolefin compositions for heat-scalable, films having controlled peel strength". (Convention No. 96201238.1 on 6-5-96 in The Netherlands).
- 813/Cal/97. Ausimont S.P.A., "Process for the regeneration of a catalyst based on trivalent chromium compounds". (Convention No. MI96 A 000892 on 6-5-96 in Italy).
- 814/Cal/97. Abres Associated Biotechnology Research S.r.l., "Process for the preparation of ureide derivatives and new intermediates of synthesis". (Convention No. MI96 A 000873 on 3-5-96 in Italy).
- 815/Cal/97. Thermoscan, Inc., "Enhanced protective lens cover". (Convention No. USSN 643841 on 5-5-96 and USSN 716960 on 20-9-96 & 643841 on 5-5-96 in USA).
- 816/Cal/97. Starlinger & Co. Gesellschaft M.B.H., "Plant and installation for recycling plastic material". (Convention No. 806/96 on 6-5-96 in Austria).
- 817/Cal/97. Stork Veco B.V., "Screen with improved strength properties and assembly of such a screen with a support screen". (Convention No. 1004999 on 14-1-97 in The Netherlands).
- 818/Cal/97. Digital D.J. Incorporated, "Broadcast data system with multiple-tuner receiver". (Convention No. 08/643,801 on 6-5-96 in USA).
- 6-5-1997
- 819/Cal/97. Daewoo Telecom Ltd., "Splicer for light waveguides".
- 820/Cal/97. LG Electronics Inc., "Expandable type refrigerator". (Convention No. 64101/1996 on 11-12-96 & 68801/1996 in 20-12-96 in Republic of Korea).
- 821/Cal/97. The Tensar Corporation, "Bonded composite woven structural textiles". (Convention No. 08/696,603 on 14-8-96 in USA).
- 822/Cal/97. World Industry Co. Ltd., "Apparatus for changing power direction for bicycle".
- 823/Cal/97. Sandvik Aktiebolag, "Hammer device". (Convention No. 9601762-9 on 9-5-96 in Sweden).
- 824/Cal/97. Santo Prasad Bhadury and Palash Bhadury, "Fluid flushing system".
- 825/Cal/97. Rollo Enterprises Limited, "An impeller and fan incorporating same". (Convention No. 286535 on 7-5-96 in New Zealand).
- 7-5-1997
- 826/Cal/97. MWI Corporation, "Water system with a pedal powered reciprocating pump".
- 827/Cal/97. SKF Textilmaschinen-Komponenten GMBH, "Spinning spindle and doubling spindle top". (Convention No. 19618436.3 on 8-5-96 in Germany).
- 828/Cal/97. Macrovision Corporation, "Method and apparatus for modifications made to a video signal to inhibit the mating of acceptable video tape recording". (Convention No. 60/017,859 on 8-5-96 in USA).

829/Cal/97. Matsushita Refrigeration Company, "Refrigerator". (Convention No. 8-138091 on 31-5-96 in Japan).

8-5-1997

830/Cal/97. Siemens Aktiengesellschaft, "Method for high-speed Digital signal transmission". (Convention No. 19620042.3 on 17-5-96 in Germany).

831/Cal/97. Siemens Aktiengesellschaft, "Multi-Layer condenser capacitor with high specific capacity and the method of manufacture for that purpose". (Convention No. 19620434.8 on 21-5-96 in Germany).

832/Cal/97. PPG Industries, Inc., "Amorphous precipitated silica". (Convention No. 08/657730 on 31-5-96 in USA).

833/Cal/97. Cricket, S.A., "A gas safety lighter comprising a pyrophonic flint and spark wheel ignition system". (Convention No. 9607248 on 6-6-96 in France).

934/Cal/97: SKF Textilmaschinen-Komponenten GMBH, Adjusting device particularly for adjusting a top roller earner bracket and weighting arm for spinning machine drafting system as opposed to a fixed support section". (Convention No. 19618644.7 on 9-5-96 & 19716530.3 on 19-4-97 in Germany).

#### COMPLETE SPECIFICATION ACCEPTED

Notice to hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month, of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

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#### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसे अवधि में उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदन

एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एफके के उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संज्ञा लिखित दस्तावेज, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तराष्ट्रीय वर्गीकरण के अनुरूप हैं।”

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियां की आपूर्ति पेटेंट कार्यालय; कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (वर्गीकृत प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकल्पन किया जा सकता है।

Cl. : 155 C E

178701

Int. Cl.<sup>4</sup> : D 04 H 3/12, 5/04, 1/52.

A THREE DIMENSIONAL NON-WOVEN FABRIC AND A METHOD OF MANUFACTURING THE SAME.

Applicant : JOHNSON & JOHNSON, INC., OF 2155 BOULEVARD PIE IX, MONTREAL, QUEBEC, CANADA H1V 2E4.

Inventor : ROGER BOULANGER.

Application No. 182/Cal/1991 filed on 26th February, 1991.

(Convention No. 2011515 on 5-3-90 in Canada).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 24 Claims

A three-dimensional non-woven fabric having a thermally activated adhesive surface, said non-woven fabric comprising a first fiber layer including fusible bond-forming fibers and a second fiber layer including fibers of a material which remains in a solid phase at a temperature above the softening point of the fiber, said fibers of both the layers being in mechanical engagement, one with another and arranged fiat-wise in bundles inter-connected at junctures by protuberant fiber packings disposed in a staggered pattern throughout said fabric, said bond-forming fibers and said fibers of a material in a solid phase being concentrated in apex and base portions of said protuberant fiber packings respectively.

(Compl. Specn. 28 pages;

Drgns.

4 sheets)

Cl. : 155 C D E

175702

Int. Cl.<sup>4</sup> : D 04 H 1/16, 3,14

A METHOD FOR MANUFACTURING A LAMINATED MOLDED ARTICLE,

Applicant: JOHNSON & JOHNSON, INC., OF 2155 BOULEVARD PIE IX, MONTREAL, QUEBEC, CANADA H1V 2E4.

Inventor: ROGER BOULANCER.

Application No. 346/Cal/1991 filed on 6th May, 1991.

(Divided out of Appln. No. 182/Cal/91 antdated to 26-2-1991).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 28 Claims

A method for manufacturing a laminated molded article, said method comprising the steps of :

providing a fibrous mat;

applying on said fibrous mat in a face-to-face relationship a non-woven fabric having a thermally activated adhesive surface which faces said fibrous mat, said non-woven fabric comprising a first fiber layer including fusible bondforming fibers and a second fiber layer including fibers of material in a solid phase at a temperature above the softening point of the fiber, said fibers being in mechanical engagement with one another and arranged generally flatwise in bundles interconnected at junctures by protuberant fiber packings disposed in a staggered pattern throughout said fabric, said bond-forming fibers being concentrated along a surface of said non-woven fabric comprising said protuberant fiber packings, said protuberant fiber packings facing said fibrous mat; and

heating said thermally activated adhesive surface at said temperature to seal said non-woven fabric to said fibrous mat.

(Compl. Specn. 27 pages; Drgns. 4 sheets)

Ind. Cl. : 196 A 178703.

Int. Cl.<sup>4</sup> ; F 04 B 39/06

EDGE PROTECTION SHIELD FOR FAN BLADE AND METHOD OF MANUFACTURING THE SAME.

Applicant : HUDSON PRODUCTS CORPORATION OP 6855 HARWIN STREET, HOUSTON, TEXAS 77036 UNITED STATES OF AMERICA,

Inventor: ROBERT CURTIS MONROE.

Application No. 850/Cal/1992 filed on 23rd November, 1992.

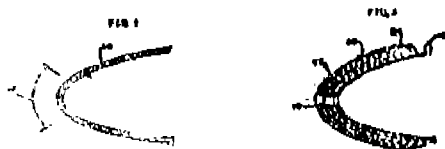
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 12 Claims

An edge protection shield for a fan blade having a leading edge with an area of maximum erosion and a selected curvature, comprising :

(a) a continuous strip of spring steel bent to a greater curvature than the curvature of the fan blade leading edge and fixed over the area of maximum erosion on the fan blade leading edge; and

(b) anti-erosion means on at least one surface of said spring steel for preventing erosion, of the leading edge.



(Compl. Specn. 8 pages; Drgns. 2 sheets)

Ind. Cl. : 146 C 178704

Int. Cl.<sup>4</sup> : G 01 B 5/03.

A MACHINE FOR MEASURING ANY THREE-DIMENSIONAL OBJECT.

Applicant: MITUTOYO CORPORATION, OF 31-19, SHIBA 5-CHOME, MINATO-KU, TOKYO, JAPAN.

Inventors: (1) SADAYUKI MATSUMIYA, (2) YUKIJI YODA, (3) MASANORI ARAI, (4) TAKAO KAWABE.

Application No. 710/Cal/1992 filed on 29th September, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims

A machine for measuring any three-dimensional object comprising :

a X axis member ;

a X slider supported to slide freely in a horizontal X axis direction along said X axis member ;

a Y slider;

a Y axis, member supported to slide freely in a horizontal Y axis direction relative to" said Y slider;

first means for angularly adjustably connecting said X slider and said Y slider ;

a Z slider ;

a Z axis member supported to slide freely relative to said Z slider in a vertical Z axis direction and has support means for supporting a measuring element at a lower end thereof ;

second means for angularly adjustably connecting said Z slider and said Y axis member ;

a counter balance mechanism mounted on said Z slider and having a sufficient balance power corresponding to a weight of said Z axis member said counter balance mechanism including means connected to said Z axis member so as to counter balance the weight of said Z axis member,

(Compl. Specn. 27 pages; Drgns. 16 sheets)

Ind. Cl. : 195 B 178705

Int. Cl. : B 60 K 41/22, F16K 51/02.

"A RANGE SECTION CONTROL VALVE ASSEMBLY FOR THE AUXILIARY TRANSMISSION".

Applicant : EATON CORPORATION, OF EATON CENTRE, CLEVELAND, OHIO 44114, UNITED STATES OF AMERICA.

Inventors : (1) ALAN CHARLES STINE,  
(2) TERRY FLOYD TERWILLIGER,  
(3) JOSEPH DOUGLAS REYNOLDS,  
(4) MICHAEL JAMES HUGGINS,  
(5) MARK ANTHONY HIRSCH.'

Application No. 910/Cal/1992 filed on 22nd December, 1991

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 12 Claims

WE CLAIM :

1. A range section control valve assembly (310) for the auxiliary transmission section actuator in the form of a differential area piston assembly (220) for use in a control device (300/400) (14) of a compound transmission (10) comprising a main transmission section (12) having engaged—and not engaged (N) positions connected in series with said auxiliary transmission section, comprising a selectable high speed ratio (direct) and a selectable low speed ratio (reduction), each of said ratios engageable by a, synchronized jawclutch assembly (92/128), said actuator piston assembly (220) comprising a differential area piston (221) having a first piston surface (222) defining a first chamber (222A) and a second piston surface (224) defining a second

chamber (224A), said second piston surface area being larger than an area (22) defined by said first piston surface, pressurization of said first chamber (222A) causes said actuator to urge said synchronized clutch assembly to engage said high-speed ratio and pressurization of said second chamber (222A) causes said actuator to urge said, synchronized clutch assembly to engage said low-speed ratio, said clutch assembly comprising a shaft (204, 204A) with at least one groove (210) to indicate the current engaged or not engaged condition (No, N or N) of said main transmission section, selector switch (98) or level (412) for selecting an auxiliary transmission section ratio, a common source of the filter/regulator (234) of pressurized fluid and an exhaust (EX), characterised in that the valve assembly comprising a three-position valve (312) having a first position- (324) for pressurizing said first chamber and exhausting said second chamber, a second position (326) for pressurizing said second chamber and exhausting said first chamber and a third position (328) for pressurizing both said first and second chamber and override means (332) cooperative with said means for indicating the current engaged or not engaged condition of said main transmission section for urging said valve from the first to the third positions thereof when said main transmission section is in the engaged condition thereof.

2. The valve assembly as claimed in claim 1 wherein said valve spring (330) is biased to said first position and comprises pilot means having a piston surface (352) pressurized by pilotline (236) responsive to said selector switch or lever (98, 412) to move said valve (330) from said first to said second position thereof and override means (332) to provide pressure to both the said chambers- 222A and 224A and cooperative with said selector switch or lever (98/412) for indications of the current engaged condition of said main transmission section to urge said valve from the first to the third position thereof when said main transmission section is in the engaged condition thereof,

Ind. Cl : 195 B

178706

Int. Cl<sup>4</sup> : F 16 K 21/12.

#### "A TAPERED PLUG VALVE".

Applicant : BTR PLC, OF SILVERTOWN HOUSE, VINUIMF SQUARE LONDON SW1P 2PL, ENGLAND.

Inventor : KEITH JEFF-RBY HOLLINGWORTH.

Application No. : 156/Cal/1993 filed on 16th March, 1993.

(Convention No. 9207576.1 on 7th April, 1992 in Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

#### 6 Claims

A tapered plug valve comprising a body (2j) having a passageway comprising an inlet port (8) and outlet port (13) therethrough for flow of fluid, a tapered bore intercepting said passageway, a rotatable tapered plug disposed within the bore, adapted to block said passageway in a closed position of the valve, and paving a port (7) adapted to be in communication with said passageway in an open position of the valve, characterized in that one or more shim spacers (5) of predetermined thickness to limit the amount of movement of the plug along the rotational axis (0-0) thereof away from said tapered bore of the valve body (2), and a spring (6) which is capable of applying a force to urge the plug towards the tapered bore, which force is only created after the plug has moved a predetermined distance from the tapered bore of the valve body (?).

(Compl, Specns : 8 pages; Drgns 1 Sheet)

Cl. : 172 C 4 9

17J7D7

Int. Cl<sup>4</sup> : D 01 H 5/48, 5/50, 5/56, 5/88,

#### "A DRAFTING UNIT FOR SPINNING MACHINES".

Applicant : FRITZ STAHLER, OF JOSEF-NEIDHART-STRASSE 18 7347 BAD UBERKINGEN, FRG,

&

HANS STAHLER, OF HALDENSTRASSE 207334, SUSEN, FRG.

Inventors : (1) FRITZ STAHLER,  
(2) DR. NORBERT BRUNK,  
(3) WOLFGANG LEHNER.

Application No. : 193/Cal/1993 filed on 6th April, 1993.

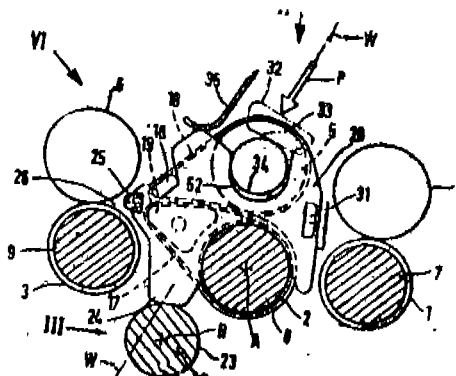
Appropriate Office for Opposition Proceedings (Rule 4 Patent Rules, 1972) Patent Office, Calcutta.

#### 17 Claims

A, drafting unit for spinning machines comprising drivable bottom cylinders (7, 8, 9) forming bottom roller (1, 2, 3) and comprising pressure roller twins (10, 11, 12) which are assigned to the bottom rollers and are loaded at the centre of their respective shafts,

comprising top aprons (16) each guided around a pressure roller and an upper deflection guide (18) and bottom aprons (17) each guided around a bottom roller (2) and a lower deflection (19) and comprising at least one cradle (20) which contains at least one lower deflection guide (19) and which is swivelable, arranged on the pertaining bottom cylinder (8) and held in its operating position by means of a stop (23),

Characterized in that, the operating position of said at least one cradle is adjustable by varying the position of the stop (23, 60) and wherein the pressure roller twin (11) pertaining to the top aprons (16) is aligned directly or indirectly by means of the cradle (20, 54, 58, 69, 83) in parallel to the bottom rollers (2) pertaining to the bottom aprons (17).



(Compl. Specns : 32 pages;

Drgns ; 7 Sheets)

Ind. Cl. : 58 B

178708

Int. Cl<sup>4</sup> : E 06 B 3/30, 7/08, 7/088.

#### "IMPROVED END CAP FOR LOUVRP"

Applicant : VERGOLA INTERNATIONAL PTY. LTD., OF 13 WATERVALE DRIVE, GREENFIELDS, SOUTH AUSTRALIA, AUSTRALIA,

Inventor : ANTHONY LYNN ROSSITER,

Application No. : 235/Cal/1993 filed on 23rd April, 1993

Appropriate Office for Opposition Proceedings (Rule 4 Patent Rules, 1972) Patent Office, Calcutta.

## 9 Claims

An end cap for fitment to a hollow sheet metal louvre for a roof, window or the like comprising :

an end wall which substantially extend across an end of a louvre,

a shaft on one side of the end wall, extending away from the louvre, for pivotal mounting of the end cap.

a spigot on the end wall,

upper and lower flanges extending along the upper and lower edges of the end wall, and arranged, when the end cap is fitted to the louvre, to extend over the upper and lower surfaces of the louvre end, and

at least one resiliently deformable gripping member comprising a plate mounted on the spigot and extending between the upper and lower flanges which in use allows the end cap to be pushed onto the louvre, with the gripping member located interiorly thereof and being arranged to bear against the louvre sheet metal so as to hold the louvre between the gripping member and each upper and lower flange.

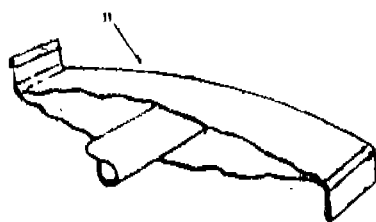


Fig. 1

(Compl. Specns : 13 pages; Drgns : 2 Sheets)

Cl. : 23 E 4 178709

Int.Cl.<sup>4</sup> : B 65 B 21/12, 43/26.

TOP GRIPPING BOTTLE CARRIER MADE OUT OF A SINGLE SHEET AND METHOD THEREOF".

Applicant : THE MEAD CORPORATION OF COURTHOUSE PLAZA, NORTHEAST, DAYTON, OHIO 45463, UNITED STATES OF AMERICA.

Inventors : (1) JAMES R. OUFF,  
(2) WILL L. CULPEPPER,  
(3) BOB E. PLAXICO.

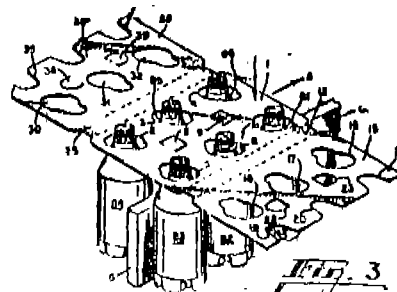
Application No. : 254/Cnl/1993 filed on 4th May, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, patent Rules, 1972) Patent Office, Calcutta.

## 14 Claims

A top gripping bottle carrier made out of a single sheet comprising a bottom panel (1), side panels (12, 25) foldably joined respectively along their bottom edges (13, 26) to opposite side edges of said bottom panel, a pair of supplementary panels (15, 28) foldably joined to the top edges (14, 27) of said side panels respectively and arranged in flat face contacting relation to each other, two longitudinal parallel rows of bottle neck receiving apertures (5, 6, 7; 2, 3, 4) formed in said bottom panel (1), a complementary row of apertures (16, 17, 18 and 30, 31, 32) formed in each of said supplementary panels (15, 28) cutaway areas (19, 20, 21; 35, 36, 37) formed along the edge of each of said supplementary panels remote from the associated side panel (12, 25), each aperture (2, 3, 4; 5, 6, 7) in said bottom panel being disposed and configured to cooperate with a corresponding cutaway area (19, 20, 21; 35, 36, 37) in one of said supplementary panels, said aperture in said bottom panel being dimensioned so that bottles (b1-B6) whose necks are disposed in said apertures in said bottom panel when moved in an inward direction are engageable with the associated cutaway area thereby to tighten the carrier so as to impart an upward bowing action to said

bottom panel, and locking means (8, 9) struck from said bottom panel and (38, 39) from said supplementary panels for securing said carrier in locked condition, the bottle neck receiving apertures (2, 3, 4; 5, 6, 7) formed in said bottom panel are configured so that a part (2a) which is adjacent the associated side wall (25, 12) is of greater area than the part (26) which is remote from the associated side wall.



(Compl. Specns : 12 pages; Drgns : 3 Sheets)

Cl. : 55 F

178710

Int. Cl.<sup>4</sup> : A 61 K 9/54, 9/56.

"A PROCESS FOR PRODUCING AN ORAL SUSTAINED RELEASE OPIOID FORMULATION".

Applicant : EUROCELTIQUE S.A., OF 122 BOULEVARD DE LA PETRUSSE, LUXEMBOURG.

Inventors : (1) RICHARD SACKLER,  
(2) PAUL GOLDENHEIM,  
(3) ROBERT KAIKO.

Application No. : 990/Cal/94 filed on 28th November, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

## 19 Claims

A process for producing an oral sustained release opioid formulation comprising

(a) preparing a spheroid or matrix having at least one retardant material and an opioid or an opioid salt, the said retardant material such as herein described is present in an amount sufficient to obtain a weight gain level from 2 to 30 percent;

(b) dividing said spheroids of matrices into unit doses comprising a therapeutically effective amount of said opioid or salt thereof; and

(c) forming said unit dose into a final dosage form, said final dosage form providing an initial rapid rate of rise in the plasma concentration of said opioid characterized by providing an absorption half-life from 1 to about 8 hours in the fasted state when administered to a human.

(Compl. Specns : 58 pages; Drgns : 7 Sheets)

Cl. : 32 2 (a)

178711

Int. Cl.<sup>4</sup> : C 08 G 69/12.

"A PROCESS FOR MAKING A HIGH STRENGTH POLYAMIDE YARN".

Applicant : E.I. DU PONT DE NEMOURS AND COMPANY, OF WILMINGTON DELAWARE, UNITED STATES OF AMERICA.

Inventors : WALTER RONALD ANDREWS, JR. AND MARION POLLING DE WITT, JR.

Application No. : 818/Cal/1992 filed on 9th November, 1992.

Drgns : 6 Sheets)



Cl. : 39 O

178715

Int. Cl.<sup>4</sup> : C 01 B 35/08.

"METHOD FOR THE PRODUCTION OF AMMONIUM BOROSPIRANATE".

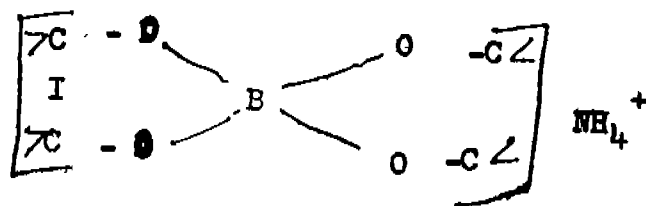
Applicant & Inventor : DEBASIS DAS GUPTA, OF 60, BANERJEEPARA ROAD, SHYAMNAGAR-743 127, DIST. NORTH 24 PARGANAS, WEST BENGAL, INDIA.

Application No. : 084/Cal/1993 filed on 12th February, 1993.

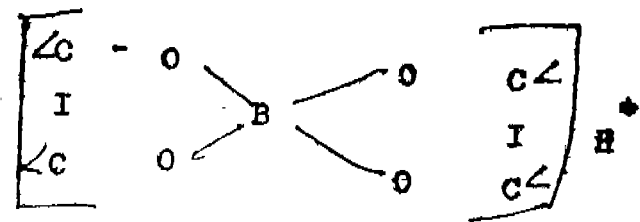
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

## 2 Claims

Method for the production of ammonium borospirinate of the structural formula



which comprises reacting borospiranic acid of the structural formula



with ammonium hydroxide in aqueous solution at ambient temperature.

(Compl. Specns. : 4 pages;

Drgns : Nil)

Ind. Cl. : 108 B-1.

178716

Int. Cl.<sup>4</sup> : C 21 B 13/00.

"PROCESS FOR DIRECT REDUCTION OF IRON OXIDE ORE AND APPARATUS THEREFOR".

Applicant : C. V. G. SIDERURGICA DEL ORINOCO, C. A., OF GERENCIA CENTRO DE INVESTIGACIONES MATANZAS-EDO, BOLIVAR VENEZUELA.

Inventors : (1) HENRY RAFAEL BUENO C,  
(2) OSCAR GILBERTO DAM G.,  
(3) PEDRO TORRES,  
(4) FELIPE GUTIERREZ.

Application No. : 133/Cal/1993 filed on 4th March, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

## 5 Claims

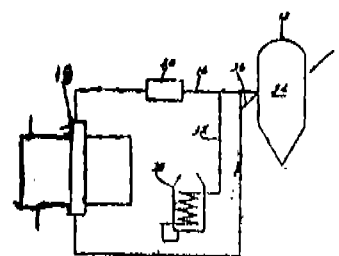
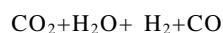
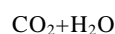
A process for direct reduction of iron oxide ore to direct reduction iron oxide (DRI) product in an apparatus comprising a direct reduction reactor and external reformers upstream of said reactor, natural gas and an oxidant being fed to said reformers for producing a gas having at least 90% by volume H<sub>2</sub> and CO at a temperature of less than 950°C and with a degree of oxidation (n<sub>o</sub>) of upto 0.07 and the reduced gas so produced being fed to said reactor for reducing said ore to said DRI product, said process being characterised by heating a source of oxygen in a pre-heater to a temperature of about 650 to 900°C;

admixing said preheat oxygen source with said reducing gas downstream of said external reformers and upstream of said reactor so as to partially combust said oxygen source so as to produce a partially oxidized, reducing feed gas stream to the reactor having a temperature of at least 1100°C and a degree of oxidation of between 0.10 to 0.17 and thereafter contacting said feed gas stream in said reactor with natural gas, iron oxide ore and DRI wherein said DRI acts as a catalyst for further reforming said partially oxidized, reducing gas stream and natural gas so as to increase the quantity and quality of the reducing gas for reducing the iron oxide ore, said natural gas being present in said reactor in a ratio equal to about

$$\text{CH}_4 = 0.5 \text{ to } 0.7$$

where n<sub>o</sub> is the degree of oxidation of said gas stream defined as follows :

$$n_o =$$



(Compl. Specns. : 20 pages;

Drgns

: 2 Sheets)

Ind. Cl. : 128 A G.

178717

Int. Cl.<sup>4</sup> : A 61 F 13/20.Ind. Cl.<sup>4</sup> : A 61 F 13/20.

"A CONTINUOUS STRIP OF ABSORBENT PADS".

Applicant : MC NEIL-PPC, INC., OF NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : (1) KATHLEEN DENISE O'DONNELL,  
(2) TOMAS JOSEPH LUCERI.

Application No. : 27/Cal/1994 filed on 18th January, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

## 31 Claims

A continuous strip of absorbent pads for use in absorbing body fluids so as to prevent staining a user's payment, comprising a longitudinally extending strip of absorbent pads from which individual absorbent pads may be torn, said strip of absorbent pads having :

- longitudinally extending body facing and garment facing surfaces formed on opposite sides thereof;
- a longitudinally extending strip of absorbent material having (1) a length and a width, (ii) first and second longitudinally extending surfaces, (iii) a plurality of weakened zones, said weakened zones arranged along lines extending substantially transversely across said width of said absorbent material strip so as to form preferential tearing lines said tearing lines spaced at predetermined intervals along said length of said absorbent material strip so as to define strip segments therebetween; and

- (c) a longitudinally extending fluid impervious barrier strip, at least a portion of said barrier strip covering said first surface of said absorbent material strip and forming said garment facing surface.

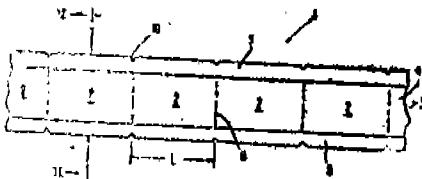


Fig. 1

(Compl. Specns : 46 pages Drgns. : 3 Sheets)

Ind. Cl. : 23 B, C, H 178718

Int. Cl<sup>4</sup> : B 65 D 05/44

TUBULAR CARTON HAVING TRIANGULAR CORNER PANELS.

THE MEAD CORPORATION, COURTHOUSE PLAZA, NORTHEAST, DAYTON, OHIO 45463, UNITED STATES OF AMERICA.

Inventor: JAMES RICHARD.

Application No. 136/Cal/1994 filed on 7th March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims

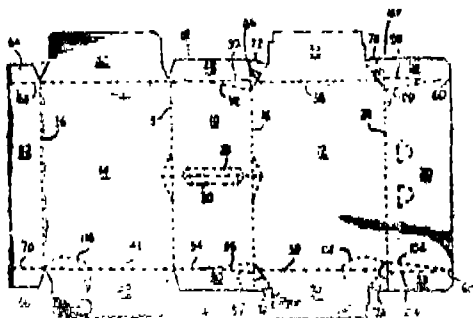
A tubular carton having triangular corner panels (108) comprising top (10) and bottom walls (20, 22) connected together by first and second spaced side walls (12, 14) thereby forming a tubular structure having a longitudinal axis and each side comprising end closure means 32, 40 disposed at an end of said tubular structure to close said end, said end closure means comprising:

a minor end flap (48, 56, 64) foldably joined to one of said top (10) and bottom (20, 22) walls and disposed generally perpendicularly to the axis of said tubular structure;

a major end flap (32) foldably joined to said first side wall (12) and disposed in overlapping relationship with said minor end flap (48), and

a web panel (72) foldably interconnecting said major (32) and minor (48) end flap said such panel being bevelled in between said major (32) and minor end flaps (48),

a corner of said first side wall (12) defined between said one wall (10) and said major end flap (32) being bevelled and being severed (86) from adjacent portions of said carton, a junction between said one wall (10) and said minor end flap (48) comprising a single fold line (52) extending from said second side wall (14) toward said first side wall (10) said single fold line (52) bifurcating into two branch fold lines (90, 92) at an intermediate point (106) between said first and second side walls, said branch fold lines (90, 92) extending from said intermediate point to said bevelled corner (72) of said first side wall so as to define a triangular corner panel (108) foldably joined to said one wall (10) and to said minor end flap (48).



(Compl. Specn. 14 pages;

Drgs.

7 sheets)

Cl. : 128 G

178719

Int. Cl<sup>4</sup> : A 61 D 7/02

A 61 M 37/Oi

AN ARTIFICIAL INSEMINATION AND EMBRYO TRANSFER DEVICE.

Applicant : KWAHAK INTERNATIONAL CO., LTD. OF 528-5, SONGSAN-RI, YANGGAM-MYUN, Hwasung-Gun, KYUNGGI-DO, SOUTH KOREA.

Inventors: (1) CHUNG BYUNG HYUN (2) CHUNG KIL SAENG (3) LEE HOON TAEK (4) LEE KYUNG KWANG (5) LEE BYEONG HAN (h) LEE WON CHANG (17) YOON HWA JOONG.

Application No 111/Cal/1994 filed on 1st June, 1994

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

#### 13 Claims

An artificial insemination and embryo transfer device, which comprises :

an elongate hollow tube (30) ;

a lip (34) secured to a proximal end of said elongate tube (30), said tip (34) having a conical front portion (48) for smoothly passing it through a cervical canal (2) of a female subject, a tapered middle portion (50) integrally formed with the conical portion (48), a main body (46) integrally formed with the middle portion (50), and a passage (52) provided therein ;

a piston rod (40) slidably mounted in said elongate tube (30), in an axial direction ; -

restraining means retained between said elongate tube (30) and said piston rod (40) for restraining a free axial movement of the piston rod (40) within said elongate tube (30) ;

first contamination preventing means (42) enclosing said elongate tube (30) for protecting said elongate tube (30) against contamination from infectious materials in the cervical canal (2) during the passing of the device through the cervical canal (2) ; and

second contamination preventing means (44) surrounding said tip (34) and said first contamination preventing means (42) for protecting them against contamination from infectious materials in a vaginal canal (8) during the insertion of the device into the vaginal canal (8).

Compl. Specn. 41 pages

Drgns 21 sheets

Cl. : 32

F<sub>1</sub>+32

F<sub>2</sub>

178720

Int. Cl<sup>4</sup> : C 07 B 41/06

C 07 C 102 00, 103/20.

PROCESS FOR THE PREPARATION OF ACETOACETARYLAMIDES.

Applicant : HOECHST AKTTENGESSELLSCHAFT. OF D-65926 FRANKFURT AM MAIN, FEDERAL REPUBLIC OF GERMANY.

Inventors: (1) KARL ERNST MACK (2) MICHAEL BOHUSCH.

Application No. 729/Cal/1994 filed on 12th September, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

#### 14 Claims

A process for preparing acetoacetylarnides of the formula I.

where

R<sup>1</sup> and R<sup>2</sup> are identical or different alkyl radicals, -I and m are each 0, 1 or 2, and

n is 0 or 1,

by addition of diketene to the appropriate arylamine by continuously reacting the arylamine with diketene in the presence of a mixture of water and of a (C1-C4)-alkanol at temperatures from 60°C to 100°C in the course of from 0,1 to 10 min, the diketene is used in an excess of from 3 to 30 mol % and the weight ratio of amine to alcohol-water mixture is from 1:1 to 1 : 20.

Compl. Specn 15 pages Drgns. Nil

Ind. Cl. : 172 E, D3 Gr. [XX] 178721

Int. Cl. : B 65 B 63/04

A DEVICE TO REDUCE THE SPEED OF THE CHEESE WINDER IN PROPORTION TO ITS INCREASE OF DIAMETER SO AS TO KEEP THE SURFACE SPEED CONSTANT.

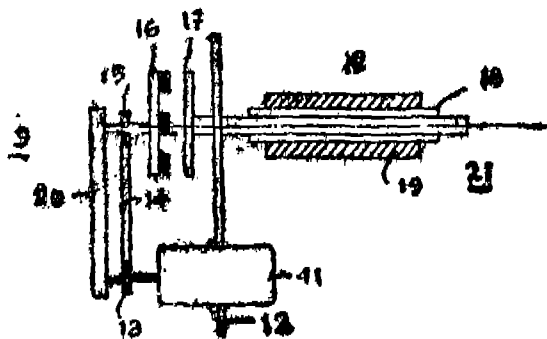
Applicant & Inventor : SHRIKANT INGALHALIKAR 12, VARSHANAND SOCIETY, ANAND NAGAR, SINHAGAD SOCIETY PUNE-411051, MAHARASHTRA, INDIA, INDIAN NATIONAL.

Patent Application No. 281/Bom,93 filed on 3-9-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

#### 1 Claim

A device to reduce the speed of the cheese winder in proportion to its increase of diameter so as to keep the surface speed constant comprising an induction motor having speed of around 2800 RPM and mounted on a strong base plate, there is provided a timer pulley fixed, on to the shaft of the said motor which drives a timer belt which, in turn, rotates another timer pulley mounted on the shaft of the magnetic disc, there is provided a driven disc, a core tube which takes up the tape duly wound, there is provided a swing bracket pivoted on the axis of the said induction motor.



Compl. Specn. 7 pages Drgns. 1 sheet

Ind. Cl. : 127 E [LXV (1)] 178722

Int. Cl. : G 05G 11/00

F 16 H 5/00.

CLUTCH-LESS GEAR BOX FOR ELECTRICAL AND/OR MANUALLY OPERATED DRIVE USED IN PROCESS INDUSTRIES.

Applicants & Inventors : VINOD LAKSHMAN MASHALKAR AND SADANAND NARAYAN MARULKAR BOTH BEING INDIAN CITIZENS AND PARTNERS OF MARSH ENGINEERS, AN INDIAN REGISTERED PARTNERSHIP FIRM HAVING ITS OFFICE AT 618 RASTA PETH, PUNE-411011, MAHARASHTRA, INDIA.

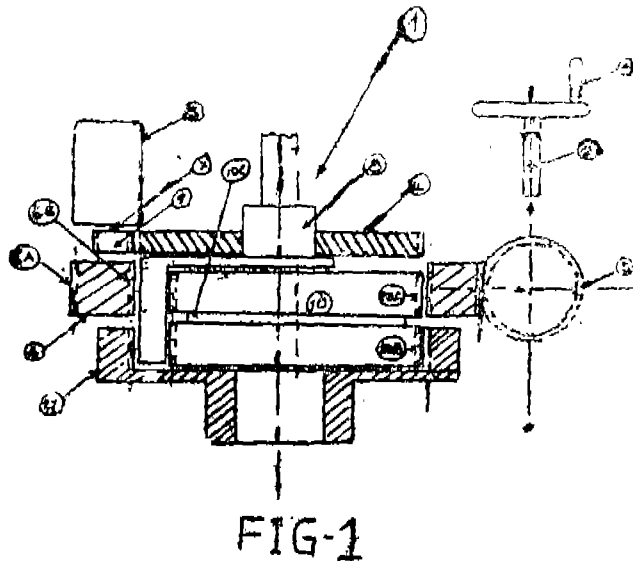
Application No. 389 Bom/93 filed on 6-9-91

Complete after provisional left on 29-12-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13,

#### 7 Claims

Clutch-less gear box for electrical and/or manually operated drive used in industrial applications wherein electrical drive comprises of a driven gear 12 meshed with driving gear 9 on electric motor 5, said driven gear filed on top of an eccentric carrier 8, which in turn is mounted on top of free rotating eccentric gear 10 having upper and lower gear teeth 10A-10B separated by a collar 10C. a ring gear 6 having gear teeth 6B and 6A on its inner and outer periphery, hub 11C having gear teeth 11A on its inner periphery and forming output driven gear and for manually operable drive said clutch-less gear box comprises of a worm 3 fitted to one end of a shaft 2 carrying a hand wheel 4 such that said worm being meshed with gear teeth 6A on said ring gear wherein said electrically operable drive being made operable independent of said manually operable drive.



Provl Specn. 6 pages  
Compl. Specn. 11 pages

Drgns 1 sheet  
Drgns 2 sheets

Ind. Cl. : 179 [XL (6)] 178723

125B 3 [XI/I (8)]

Int. Cl. : B 670=5/00, B 65 D 25/00.

A PACKAGE FOR DISPENSING AT LEAST TWO LIQUID COMPONENTS SIMULTANEOUSLY,

Applicant: HINDUSTAN LEVER LTD., 165-166, BACK-BAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors JAMES LOUIS GENTIE, DAVID ROBERT WILLIAMS, ALEXANDER GEORGE ZIEMKIEWICZ.

Application No. 310/Bom/1993 filed on Sep. 29, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013,

#### 7 Claims

A package (2) for dispensing at least two liquid components simultaneously, the package (2) comprising,

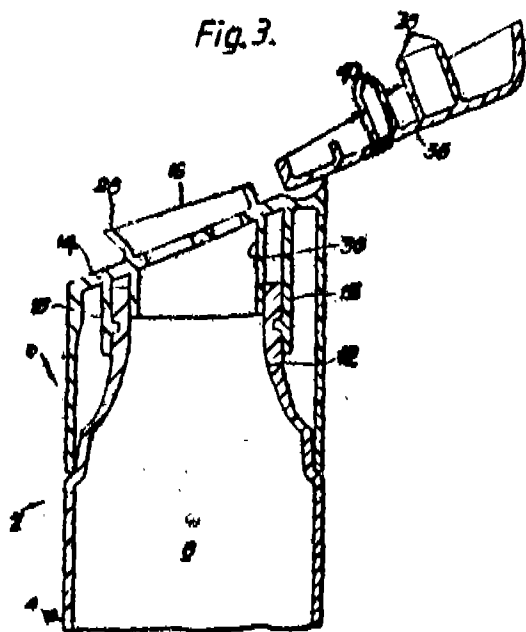
a container (4) for the components, the container having at least two discrete compartments (8, 10) each with an upper outlet end (12) and

a closure system (6) for closing the container (4) over the outlet end (12) of the compartments (8, 10) characterized in that the closure (6) comprises ;

an inclined crown portion (14) having a peripheral skirt portion (15) depending downwardly from an outer edge of the crown (14), the skirt (15) portion being of sufficient size to engage a surface of the container (4) in a fluid tight manner;

at least two pouring spouts (16, 18) extending upwardly from the upper surface of the crown (14) toward the lower edge thereof; the spouts (16, 18) being substantially oval in shape and having their longitudinal axes parallel and extending between the lower and upper edges of the crown (14); each pouring spout (16, 18) being provided with a through opening (20, 22) which extends from the upper end of the spout (16, 18), through the crown (14) and into a compartment (8, 10) and

a cover (36) for securement to the crown portion (14) toward an upper edge thereof, the cover (36) being provided with at least two depending plugs (38) receivable in corresponding through openings (20, 22) of the crown (14) so as to close the container (4).



Compl. Specn. 15 pages

Drgns.

3 sheets

Ind. Cl. : 67 C [LI (2)]

1

78724

Int. Cl. : G 06 F 15/38

A DEVICE WHICH ALLOWS CHARACTER-ORIENTED SOFTWARE ON A PERSONAL COMPUTER TO BE USED WITH MULTIPLE LANGUAGES.

Applicants: CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING, REGISTERED UNDER THE REGISTRATION ACT, 1860, AT PUNE UNIVERSITY CAMPUS, GANESHKHIND, PUNE-411007, STATE OF MAHARASHTRA, INDIA.

Inventors: (1) MOHAN TAMBE, (2) SHASHANK PUJARI, (3) CHANDRASEKAR RAJE, (4) ANUPAM SAURABH.

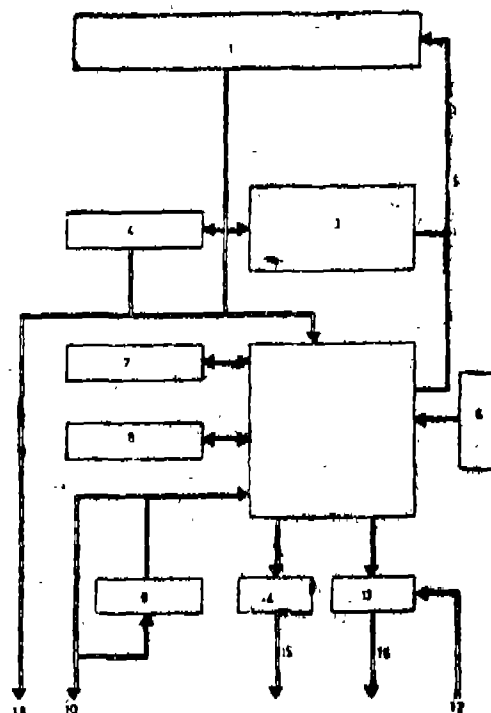
Application No. 352/Bom/93 filed on 28-10-1993.

Appropriate Office for Opposition Proceedings (Rule, 4, Patents Rules, 1972), Patent Office Branch, Mumbai-13.

### 3 Claims

A device which allows character-oriented software on a personal computer to be used with multiple languages, comprises a central processing unit (CPU) for processing algorithms and generating high resolution graphics display; a cathode ray tube controller circuit connected to the said CPU to read the said display memory and generate signals to drive the said cathode ray tube for displaying the screen; a central processing unit clock, which is a synchronized, signal from the said cathode ray tube controller circuit fed into the said

CPU; a programmable array logic card containing decode logic and connected to the said CPU; a read only memory (ROM) containing start-up program and algorithms that compose the said display, connected to said programmable array logic; at least one dynamic random access memory chip connected to said cathode ray tube controller circuit, which store main program, algorithms, fonts and display area; a multiplexer connected to said cathode ray tube controller circuit for switching video output between a video and an external video; and a latch connected to said cathode ray tube controller circuit for storing the data to be sent to the printer.



Compl. Specn. 7 pages,

Drgns. 1 sheet

Ind. Cl. : 170 A

178725

Int. Cl. : C07C 103/34, C07C 102/06,  
C11D, 3/20, 3/26.

DETERGENT AND PERSONAL PRODUCT COMPOSITIONS CONTAINING ALKYL GLYCERAMIDE SURFACTANTS.

Applicant : HINDUSTAN LEVER LTD, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) MOHAMMAD ABDUR RAHMAN,  
(2) SHANG-REN wu,  
(3) PETER ROBERT GARRETT.

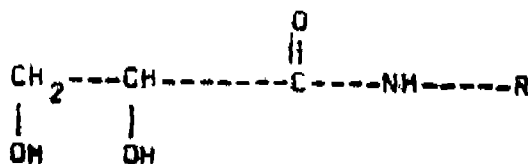
Application No. 400/Bom/1993 filed on November 23, 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-11

### 1 Claim

A detergent composition containing from 5 to 70 wt% of a surfactant system, the surfactant system comprising from

5 to 95 wt% of a compound which is an N-alkylglyceramide of the formula I :



wherein R is a straight—or branched chain aliphatic or aliphatic/aromatic saturated or unsaturated hydrocarbon radical optionally interrupted by one or more oxygen nitrogen or sulphur atoms, and containing from 8 to 24 aliphatic carbon atoms.

and from 5 to 95 wt% of one or more other surfactants selected from soap, anionic surfactants, nonionic surfactants, cationic surfactants, amphoteric surfactant and zwitterionic surfactants.

Compl. specn. 21 pages

Drg. Nil.

Ind. Cl. : 102 C Or [XXIX(1)]

178726

Int. Cl. : G OIF—1/32.

#### FLOWMETERS.

Applicant & Inventor : AVINASH SHRIKRISHNA VAIDYA, INDIAN NATIONAL AT 122/3 ERANDAVANA, ANURAG APARTMENTS, PUNE-411 004, MAHARASHTRA, INDIA.

Patent Application No. 36/Bom/94 filed on 31-01-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013,

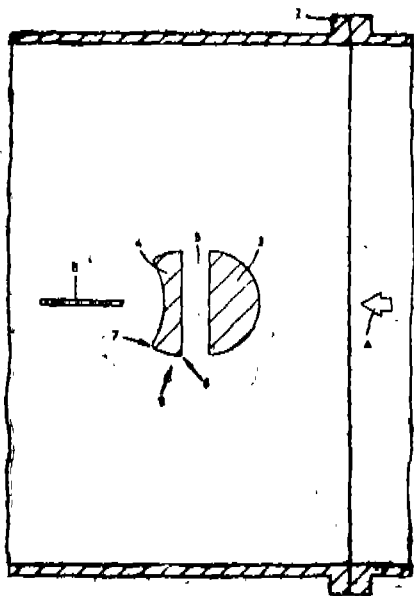
#### 7 Claims

A flowmeter for measuring the rate of flow of a fluid, the flowmeter comprising :

a flow tube forming a passage for the fluid to be measured;

a bluff body disposed in the flow tube for inducing vortices in the flowing fluid, the bluff body comprising a first, upstream, cylinder having an arcuate front surface and a planar rear surface and a second, downstream, cylinder having a planar front surface and a planar or concave rear surface, the two cylinders being separated at their adjacent surfaces by a gap whose width is up to fifty per cent of the diameter of the upstream cylinder; and

a sensing means for measuring the frequency of the vortices shed by the bluff body.



Compl. specn. 11 pages

Drgs. 3 sheets

Ind. Cl. :

176I

178727

Int. Cl. : F27D 17/00,

F 22 B 21/02.

#### A WASTE HEAT BOILER CONSTRUCTION.

Applicant : OUTOKUMPU HARJAVALTA METALS OY, A FINISH JOINT-STOCK COMPANY OF HARJAVALTA, FINLAND.

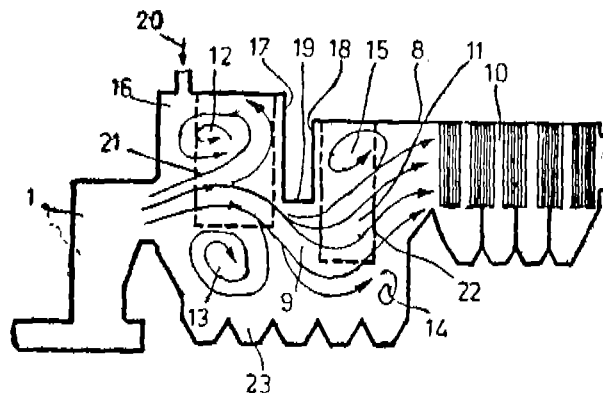
Inventors: (1) LAUNO LILJA,  
(2) KARI RAJAINMAKI,  
(3) VELI SALMI,  
(4) HEIKKI TEPERI,  
(5) PEKKA TUOKKOLA.

Application No. 101/Bom/1994 filed March 17, 1994.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

#### 7 Claims

A waste heat boiler construction provided in succession to a suspension smelting furnace, particularly a flash smelting furnace, which construction is composed of a radiation section (9) and a convection section (10), characterized in that a front end (16) of a radiation section (9) of a tunnel-type waste heat boiler (2)- is elevated, and that behind the elevation, there is formed a transversal flow reversing duct, made of essentially vertical double panel walls (17, 18) and a bottom plate (19) connecting these, which duct is open on the top and at the sides.



Compl. specn. 11 pages

Drg. 1 sheet

Ind. Cl.; 179 G [XL (6)]

178728

Int. Cl. : B 65 D 47/04

#### IMPROVED SALT/PEPPER SHAKER/DISPENSER BOTTLE WITH AIR TIGHT CLOSURE FOR HYGROSCOPIC POWDERED MASS.

Applicants & Inventor : DILIP SHANTARAM D'AHANUKAR AN INDIAN CITIZEN INDUSTRIAL ASSURANCE BUILDING CHURCHGATE, BOMBAY-400 020, MAHARASHTRA, INDIA,

Application No. 124, Bom/94 filed on 28-3-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

#### 5 Claims

Improved salt/pepper shaker/dispenser bottle with air tight closure for hygroscopic powdered mass comprising a bottle or the like container having a beadlike ring forming a latch near its open end adapted to get into complementary engagement with corresponding beadlike grooved ring forming a catch provided in closure skirt when snapped and press fitted on said bottle forming air tight closure characterized in that the flat top surface of said closure featuring provided outlet

holes adapted to get plugged by corresponding re-entrant studs provided on a tab linked to one side of said closure skirt by an integrally attached web.

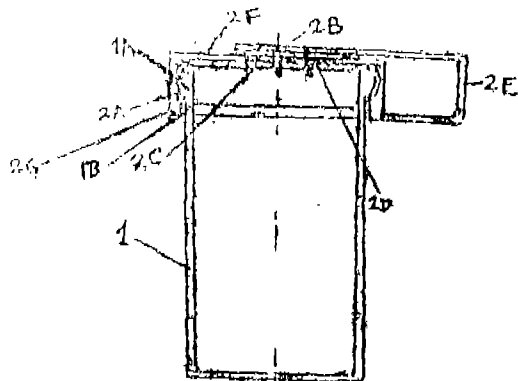


FIG-1

Compl. Specn. 8 pages Drgns. 1 sheet

Ind. Cl. ; 32 F3 (a) Gr. [IX (1)] 178729

Int. Cl. : C 07 C 69/80

C 08 F 10/00

#### SELECTIVE CATALYTIC ESTERIFICATION OF PHTHALIC ANHYDRIDE TO MONOESTERS.

Applicants & Inventors: (1) SANJAY MADHUSUDAN TAPNIKAR, LAXMAN RAO INSTITUTE OF TECHNOLOGY, AMRAVATI ROAD, NAGPUR UNIVERSITY, NAGPUR-440010, MAHARASHTRA, INDIA, (2) SUDHEER SHIORAO BHAGADE, LAXMAN RAO INSTITUTE OF TECHNOLOGY AMARAVATI ROAD, NAGPUR UNIVERSITY, NAGPUR-440 010, MAHARASHTRA, INDIA & (3) RAJENDRA TRYAMBAKRAO JADHAV, R.K.N. ENGINEERING COLLEGE, KATOL ROAD, NAGPUR UNIVERSITY, NAGPUR-400 013, MAHARASHTRA, INDIA, ALL INDIAN NATIONALS.

Patent Application No. 150/ Bom/94 filed on 12-4-94.

Complete after provisional filed on 7-4-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-400 013.

#### 10 Claims

A method for the exclusive preparation of monesters of dicarboxylic acid with  $C_1$  to  $C_3$  aliphatic alcohols under the catalytic influence of titanium tetrabutoxide which comprises heating a mixture of a cyclic anhydride of a dicarboxylic acid with a quantity of an alcohol of the formula



wherein R is a radical selected from the group consisting of 1 to 3 carbon atoms, at a temperature between about 60°C and about 130°C in the presence of catalytically effective quantity of titanium tetrabutoxide for a period sufficient for quantitative conversion of the cyclic dicarboxylic acid anhydride to the corresponding monester.

Prov. Specn. 3 pages, Drgs. Nil  
Comp. Specn. 4 pages Drgs. Nil

Ind. Cl. : 55 B 3 Gr. [XIX (1)] 178730

Int. Cl. : B 27 D 1/00

PROCESS FOR MANUFACTURING PARALLEL FIBRE RECONSTITUTED LAMINATED VENEER LUMBER FOR USE IN BUILDING CONSTRUCTION AND FURNITURE INDUSTRY.

Applicants : THE GURDIT INSTITUTE PRIVATE LTD. AN INDIAN COMPANY. C/O INDIAN PLYWOOD MANUFACTURING CO. LTD. 9, WALLACE STREET, FORT, MUMBAI-400 001, MAHARASHTRA, INDIA.

Inventors : 1. YASH KIRAN SINGH 2. SHRADDHA NANDA SHARMA.

Patent Application No. 195/Bom/94 filed on 3-5-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-400 013.

#### 10 Claims

Process for manufacturing parallel fibre reconstituted 'LVL' (Laminated Veneer Lumber) for use in building construction and furniture industry comprising the steps of :

(a) crushing between pressurized rollers or clipper cutting and peeling the logs of plantation timber into thickness desired for veneers, strands and if required, scarf joining said veneers/strands with adhesive such as phenol formaldehyde polymer resin, by treating with fixed type of known preservative solution wither by vacuum-pressure treatment or by dipping in preservative solution till dipped veneers/strands got saturated;

(b) drying the impregnated veneers/strands of step (a) to moisture content not exceeding 10% ;

(c) gluing the dried veneers/strands of step (b) using phenol formaldehyde polymer resin adhesive ;

(d) laying unidirectionally i.e. parallel to the longitudinal dimension of plate, mould the veneers/strands of step (c) in any desired grain oriented veneers/strands to form a single ply veneer mat, assembling plurality of veneer mats to form a multi-ply mat of thickness desired for the 'LVL';

(e) hot pressing the mat layer of step (d) at a temp. varying from 100-170 deg. C, under hydraulic or screw pressure varying from 5-40 Kg/Sq. Cm. for period varying from 5-80 minutes or more depending upon the thickness of the member being hot pressed;

(f) allowing the stock under hot pressed plate/mould of step (e) to get stabilized to cool down to ambient temperature by cooling schedule at "the rate varying from 1-5 deg. C. per minute to eliminate spring-back.

(g) removing the cooled down stabilized member from the mould and ripped on a band or circular saw to obtain desired width of 'LVL' elements in the form of a beam, slab, scantling, plank or other shaped lumber as structural element or cut, sawn, drilled and screwed in known manner by carpenters working furniture making industry.

Compl. Specn. 19 pages

Drgs. Nil

Ind. Cl. : 55 E2+E4

178731

Int. Cl. : C12 N 15/00

#### PRODUCTION OF ANTIBODIES OR iFUNCTIONALIZED) FRAGMENTS THEREOF DERIVED FROM HEAVY CHAIN IMMUNOGLOBULINS OF CAMELIDAE.

Applicants: HINDUSTAN LEVER LIMITED A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913 OF HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400020, MAHARASHTRA, INDIA.

Inventors: (1) LEON GERADUS J. FRENKEN (2) CORNELL THEODORUS VERRIPS (3) RAYMIND HAMERS (4) CESILE CASTERMAN NOW HAMERS (5) SERGE VICTOR M MUYL DERMAN.

Application No. 215/Bom/94 tiled on 16-5-91

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-400 013.

## 10 Claims

A process for the production of a polypeptide which is an antibody of a fragment or functionalised fragment thereof comprising.

5S Providing c-DNA encoding the polypeptide; inserting said cDNA into a vector suitable for transforming a mould or a yeast transforming a mould or yeast with said vector including said cDNA to produce a transformed host which

10 contains said cDNA and is thereby made capable of expressing said polypeptide; and culturing said transformed host so that said polypeptide is expressed; and wherein said cDNA encodes a heavy chain

15 immunoglobulin of a Camelidae species which is naturally devoid of light chains; or a fragment or functionalised fragment thereof, or a mutant of any of these.

Compl. Specn. 77 pages Drngs 20 sheets

Ind. Cl. : 40 I, F Gr. [IV (1)] 178732

128 G Gr. [XIX (2)]

Int. Cl. : C12 N 11/00, 11/04

A METHOD OF MAKING A PORTABLE MEDIA FOR LABORATORY ASSAY PURPOSES.

Applicants : PHYSIC TECHNOLOGIES PVT. LTD., AN INDIAN COMPANY OF MOHAN VILLA, 1147-B SHIVAJINAGAR, PUNE-411016, MAHARASHTRA, INDIA.

Inventors: (1) SUBHASH PADHYE (2) MEENA KARVE,

Application No. 218/Bom/1994 filed on 17-5-1994.

Complete after provisional left on 14-8-95.

Appropriate Office for Opposition Proceedings (Rule 4, patent Rules, 1972) Patent Office Branch, Mumbai-400 013.

## 1 Claim

A method of making a portable media for laboratory assay purposes comprising

- melting biopolymeric gel in a hot water bath so that the molten gel attain a temperature of 30 to 40 degrees celsius;
- mixing the assaying agent in the molten gel;
- pouring the mixture of gel and assaying agent on all inert planar surface; and
- allowing the mixture to cool and form a film which is detachable from the planar surface.

Prov. Specn. 3 pages Drgs. Nil

Comp. Specn. 5 pages Drgs. Nil

Ind. Cl. : 123 [I (4)] 178733

Int. Cl. : A01N 63/02  
C07 C 99/02

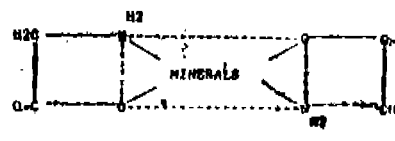
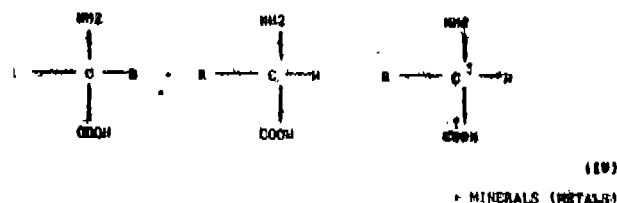
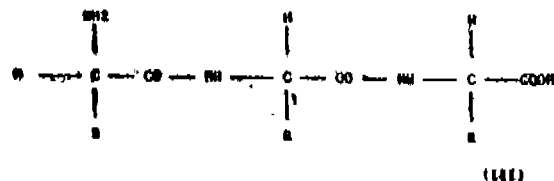
AN IMPROVED PROCESS FOR MANUFACTURING MINERAL CHELATES OF AMINO ACIDS IN LIQUID FORM FOR FOLIAR APPLICATION.

Applicant & Inventor DR. RAJENDRA YASHWANT ANGLE OF 2. LARISSA. 396-B OFF. S. TEMPLE ROAD. MAHIM, BOMBAY-400 016, MAHARASHTRA, INDIA. AN INDIAN NATIONAL.

Application No. 293/Bom/94 filed on 29-6 94,

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-400 013

An improved process for manufacturing mineral chelates of amino acids in liquid form for Foliar Application comprising reacting casein with pancreatin (enzyme), to give protein hydrolysate solution characterised in that the reaction is at room temperature thereby the enzyme breaks down casein into Amino Acids of formula 3 & 4 which is further reacted with mineral salts to get the corresponding chelates of Amino Acids of formula 5. An herein described in the accompanying drawing sheets.



Compl. Specn. 7 pages

Drngs. 1 shret

Ind. Cl. : 55 E4

178734

Int. Cl. : A61K 31/00, A01 IN 65/00

AN IMPROVED PROCESS FOR THE MANUFACTURE OF THE EXTRACT OBTAINED FROM AYURVEDIC MEDICINAL PLANT, VIZ HKARMOOL.

Applicants : M/S. J. B. CHEMICALS & PHARMACEUTICALS LTD, "NEELAM CENTRE "B" WING, 4TH FLOOR HIND CYCLE ROAD, WORLI, MUMBAI-400 025 MAHARASHTRA INDIA.

Inventors: (1) SHIRISH BHAGWANLAL MODY (2) PRANABH DINESH MODY, (3) DR. SHASHIKANT AVANTIL VASAVADA.

Application No. 522/Bom/1994 filed on Oct. 31 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-400 013.

## 3 Claims

An improved process for the manufacture of therapeutically effective extract from the Ayurvedic Medicinal Plant, "Pushkarmool", (Inula recemosa) used in the treatment of bronchitis and liver complaints, it is also used in hair care formulations and tooth powder, which consist of the following steps;

- (a) the dried root of the said plant "Pushkarmool" is graded, shredded and powdered in a hammer mill], the powdered material is extracted with the extracting solvent in a (304) stainless steel jacketed vessel, by the kinetic maceration and extraction process as herein described above, at a temperature ranging between 15°--45°C, the extract obtained is filtered in a stainless steel sparkler filter and mixed.

- (b) the end product of step (a) is then concentrated to thick paste in a thirl film vaporiser under reduced pressure at a temperature ranging between 50°—60°C, is spray dried if desired to obtain dry powder extract.

Compl. Specn. 9 pages Drgns. Nil

Ind. Cl. : 35 E 4 1W3fi  
Int. Cl. : A 01 N 43/653

A NOVEL PROCESS FOR THE MANUFACTURE OF TRANS (=) -3-/- (1, 3-BENZODIOXOL-5-YLOXY) METHYL-4-(4-FLUOROPHENYL) PIPERIDINE AND ITS ACID ADDITION SALTS FROM A NOVEL SOURCE.

Applicant: UNICHEM LABORATORIES LTD., UNICHEM BHAVAN, SWAMI VTVEKANAND ROAD, JOGESHWARI (WEST), BOMBAY-400 102, MAHARASHTRA, INDIA.

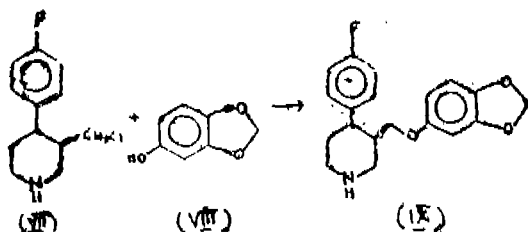
Inventors: (1) DR. PRAKASH AMRUT MODY (2) DR. JAYANT KANAIYALAL MOIHWALA.

Application No. 655/Bom/1994 filed on Dec 30, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-400 013.

## 2 Claims

A novel piocess for the manufacture of trans-(-)-3-[(1, 3-benzodioxol-5-yloxy)] methyl-4-(4-flourophenyl)-piperidine of the formula (IX), and its addition salts us therapeutic and prophylactic compound which is antidepressant, having no side effect of cardiovascular and peripheral autonomous nervous system, wherein the title compound of the invention having the formula (IX)



and

wherein the compound of the invention are produced by treating (=) -oc-carbinol formula (VI) with thionyl chloride in a dropwise fashion at 0—10°C, the mixture was then refluxed for six hours on a steam bath, and evaporated in vacuum to dryness and shaken with a solution of 25% potassium carbonate and ether, the other layer was dried over anhydrous sodium sulphate to afford chloromethyl compound of formula (VII), which was reacted with 3, 4-methylenedioxy phenol having formula (VIII) in presence of sodium methoxide, to obtain the title compound of formula (IX).

Compl. Specn. 9 pages Drgns Nil

Ind. Cl. : 55 E4 178736  
Int. Cl. : A 61K 31/135.

A NOVEL PROCESS FOR THE MANUFACTURE OF (1S, 4SM(3, 4, DICHLOROPHENOL-1, 2; 3, 4-TETRAHYDRO-N-MENTHYL-1 NAPHTHYLAMINE AND ITS ACID ADDITION SALTS FROM A NOVEL SOURCE.

Applicants: UNICHEM LABORATORIES LTD., UNICHEM BHAVAN, SWAMI VIVEKANAND ROAD, JOGESHWARI (WEST), BOMBAY-400102, MAHARASHTRA, INDIA.

Inventors: Dr. PRAKASH AMRUT MODY. (2) DP. JAYANT KANAIYALAL MOTIWALA.

Application No. 656/Bom/1994 filed on Dec 30, 1994,

Appropriate Office for Opposition Proceedings (Rule 4 Patent Rules, 1972) Patent Office Branch, Mumbai-400 013.

## 2 Claims

A novel process for the manufacture of (1S- 4S)-4-(3, 4-dichlorophenyl)-1, 2, 3, 4-tetrahydro-N-methyl-1 naphthylamine and its acid addition salts as therapeutic and prophylactic compound which is antidepressant having no side effect of cardiovascular and peripheral autonomous nervous system, wherein the title compound of the invention of formula IX is produced by treating 4-(3, 4-dichlorophenyl)-3, 4-dihydro-1-(2H)-naphthalenone with methylamine in solvent, the resultant mixture is treated with titanium tetrachloride, with continuous stirring at room temperature for 10—20 hours in an inert atmosphere, and filtered the filtrate is concentrated to get schiffs have VII which is further hydrogenated in presence of platinum oxide catalyst at ambient temperature, the reaction mixture, is evaporated under vacuum to get residue, the residue was dissolved in disopropylether and treated with isopropanolic hydrogen chloride to obtain the title compound of formula IX.

Compl. Specn. 8 pages Drgns. Nil

Ind. Cl. : 55 DI 178737  
Int.Cl. : AOIN 25/22, AOI 65/09.  
AONN 43/90.

A PROCESS FOR SEPARATION OF AZADIRACHTIN CONCENTRATE AND AZATWRACHTIN RICH POWDER FROM SUPER-CRITICALLY DEFATTED NEEM SEED KERNELS.

Applicant-& Inventors : DR. NAGARAJ RAMANUI AYYANGAR, INDIAN.

Application No. 55,Bom/95 filed on 7-2-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-400 013,

## 12 Claims

A process for separation of Azadirachtin concentrate and Azadirachtin rich powder from super-critically defatted neem seed kernels, comprises the steps of;

(a) obtaining super-critically defatted neem seed kernels in powder/particle form or otherwise as described herein and loading into an extractor ;

(b) extracting of the Azadirachtin and other active principles using the alcohol mixture as extraction agent at temperature in range of 10—50 degrees C. and pressure upto 20 Kg/cm<sup>2</sup>; and

(c) separation of a concentrate- containing 2-8% of Azadirachtin of/on 100% basis, from the extract, and recycling of the recovered extraction agent back to step (b).

Compl. Specn 16 pages Drgns. Nil

Ind. Cl. : 83 A1 178738  
Int. Cl. : A 23 L 1/064

A METHOD OF MAKING A NOVEL PIZZA TOPPING,

Applicants & Inventors • DR NEETA SARAIYA, INDIAN NATIONAL OF 7, HIRAKUNI, AAREY ROAD, GOREOAN (W) BOMBAY -400 102 MAHARASHTRA, INDIA & DR MOHAN DEWAN INDIAN NATIONAL OF 78 PODAR CHAMBERS, S.A. BREIVI ROAD, FORT BOMWAV-400001 MAHARASHTRA. INDIA.

Application No. 143/Bom/95 filed on 29-3-95,



Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-400 013.

## 4 Claims

A method of making a novel pizza topping which comprises the following steps :

finely chopping spinach, sprinkling with water and lightly frying the chopped spinach offer adding salt and flavouring to the chopped spinach ;

boiling the white beans until they are semi-soft and adding the white beans to the spinach ;

sprinkling the musk melon seeds and raisins on the mass of spinach and white beans.

Compl. Specn. 4 pages Drgs. Nil

Ind. Cl. : 55 E2+E4 178739

Int. Cl. : C12 N 9/00, 9/52.

"A METHOD ' FOR PURIFICATION OF D-AMINO ACID OXIDE FROM ENZYME EXTRACT OF TRIGON-OPSIS VARIABLES CELLS".

Applicants : HINDUSTHAN ANTIBIOTICS LTD. PIMPRI, PUNE-411018, MAHARASTRA, INDIA,

Inventors; 11) VAYALOM BROM K. SUDHAKARAN, (2) SALIM K MUJAWAR (1) DR. JAIL RAKASH G SHEWALE (4) DR. SURESH R NAIR.

Application No 212/Bom/1995 1995 filed on May 3 1995.

Appropriate Office for Opposition Proceeding., (Rule 4, Patent Rules, 1972) Patent Office Brunch.' Mumbai-400 013.

## 2 Claims

AprocessforpurificationofD-aminoacidoxidaseby passing the enzyme extract of Trigonopsis variables cell's prepared by a process described herein on a column of an anion-exchange resin such as DEAE-cellulose DE 52, DEAE-SephroMe CL 68 DEAE-Sephacel. DEAE-Sepbadex or QAE Sephadex equilibrated with phosphate buffer solution having molarity of 0.05 and PH of 6.5 washing the column with 2 bed volume of this buffer solution and eluting the absorbed D-amino acid oxidase enzyme by passing 3 bed volumes of the phosphate buffer solution having molarity or 0.2 PH of 8.0 and containing 0.51 w/y of sodium chloride from the cloumn collecting the eluate in fractions of 0 i bed volume and pooling the fractions containing D-amino acid oxidase as herein described.

Compl. Specn. 12 pages Drgs. Nil

Ind Cl. . 83 B5 [XIV (5)] 178710

Int. Cl. : A 23 L 2/16

A PROCESS FOR PREPARING CARBONATED FRUIT JUICE OF GARCINIA INDICA.

Applicant & Inventor VINAYAK SHRIKRISHNA MAHAJAN OF AT POSTKOLTHARE, TAL-DAPOLI, RATJAGIRI, MAHARASHTRA, INDIA, AN INDIAN NATIONAL,

Application No 322/Bom/95 filed on 17-7-95.'

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), "Patent Office Branch, Mumbai-13.

## I Claim

A process of preparing carbonated fruit juice of Garcinia Indica; comprises steps of selecting the ripe fruits of Garcinia Indica, Cutting in to two or three pieces, removing seeds mixed with sugar weighing exactly same as whole fruits weight and 1% of salt by weight, this mixture is kept in temperature ranging from 22°C to 40°C, which is stirred periodically far 15 to 30 days whereby the juice of Garcinia India. fruit is extracted along with natural colours natural acids and other ingredients. Where by the viscosity changes and the. sugar percentage in syrup becomes horn 62° to 75° brix, the Garcinia, Indica syrup thus prepared is mixed with 0.05 to 0.1% of cumin extract on weight of the Garcinia Indica syrup, food preservative is added and the resulting syrup is taken in a bottle in specific quantity (to result final ready to serve beverage should contain 11° to 12° Brix sugar concentration), then same bottle is filled with, carbonated water ( where the final ready to serve beverage contains 2 to 3 gas volume of CO<sub>2</sub>) and scaled for serve without artificial colour, acid or flavour or without pasturising process.

Compl Specn. 5 pages

Drgs. Nil

Ind. Cl. ; 128

F

176741

Int. Cl. : A 61 M 5/178

## HYPODERMIC SYRINGE.

Applicant : EDWARD ROBERT JAMES KAYSER, "LYNDHURST" OF WELLINGTON ROAD, WANDIN VIC 3139, AUSTRALIA, CITIZEN OF AUSTRALIA.

Inventors.: EDWARD ROBERT JAMES KAYSER.

Application No. 560/ Mas/90 filed on 11th July 1990.

Convention Date 12-7-1989.No.PJ5195;Australia

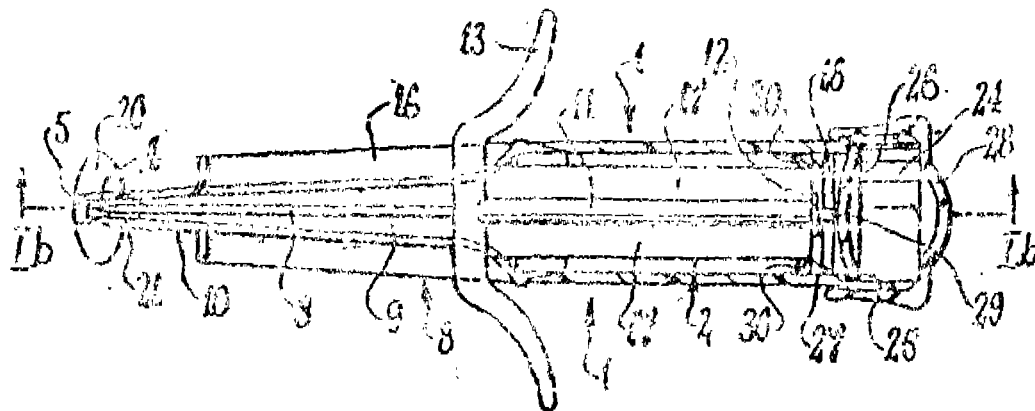
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Madras

## 15 Claims

A hypodermic syringe for the injection of an inoculant liquid comprising a housing, a plunger assembly slidably supported by the housing, and a hollow needle which can be fully accommodated within and be extendible from the housing wherein the needle is supported by the plunger assembly and retracts into the housing during an injection stroke of the syringe,

Reference.: : Australian Patent Application No, 13088/88, (4189/88, 16234,88.

Agent : Depenning & Depenning.



Ind. Cl. : 12C

178742

Int. Cl.<sup>4</sup> : C 21 D 9/52

## METHOD AND DEVICE FOR MANUFACTURING METAL WIRES WITH FINE PEARLITIC STRUCTURE.

Applicant : COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN-MICHELIN & CIE, OF 12, COURS SABLON, 63040 CLERMONT-FERRAND CEDEX, FRANCE, A FRENCH COMPANY.

Inventor : ANDRE REINICHE, CHRISTIAN CHANEL

Application No. : 595 Mas/90 filed on 25th July, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch,

## 13 Claims

A method of manufacturing metal wires with fine pearlitic structure comprising the steps of heat treating metal wire by passing the same within at least one pair of heat transfer plates each plate having a groove such that two grooves face each other and the metal wire is passed in both the said grooves in each of the pairs, the distance between the plates being adjustable, wire being directly in contact with a gas which is practically without forced ventilation and is arranged between the grooves the characteristic; of the grooves, the wire and the gas define the ratio K by the equation :

$$K = \frac{\log(D_1/D_f)}{\lambda} \times D_f \quad (1)$$

in which

$$D_1 = \sqrt{457/\pi} \quad (2)$$

Log being the natural log, S being, the area of the combination of the two grooves facing each other, this area, expressed in mm<sup>2</sup> corresponding to the station of the grooves through a plane perpendicular to the longitudinal direction of the wire, D<sub>f</sub> being the diameter of the wire expressed in millimeters and Y being the thermal conductivity of the gas determined at 600°C, expressed in walt.m.<sup>-1</sup> oK<sup>-1</sup>.

Agent : M/s. DePenning &amp; DePenning.

(Compl. 25 pages Drwgs. 6 sheets)

Ind. Cl. : 32 E

178743

Int. Cl.<sup>4</sup> : C 08 F 12/00

## A PROCESS FOR PREPARING A POLYMER.

Applicant : THE NOW CHEMICAL COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, USA OF 2030 DOW CENTER- ABBOTT ROAD, MIDLAND MICHIGAN-48640, USA.

Inventors : 1. JAMES C. STEVENS, USA 2. FRANCIS J. TIMMERS, USA, 3. DAVID R. WILSON, USA, 4. GREGORY F. SCHMIDT, USA, 5. PETER N. NICKIAS, USA, 6. ROBERT K. ROSEN, USA, 7. GEORGE W. KNIGHT, USA, 8. SHIH-YAW LAI, USA,

Application No. 619/Mas/90 filed on 30th July 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 5 Claims

A process for preparing a polymer by polymerizing a monomer selected from ethylene, propylene, isobutylene, 1-butene, 1-hexene, 4-methyl-1-pentene, 1-octene styrene and a mixture thereof, comprising contacting said monomer or

mixture of monomers at a temperature from 30°C to 200°C and at a pressure from atmospheric to 1000 atmospheres with an addition polymerization catalyst comprising :

(a) a metal coordination complex corresponding to the formula :

wherein :

R, each occurrence is hydrogen or a moiety selected from alkyl, aryl, germyl, cyano, halo, or a combination thereof having up to 20 non-hydrogen atoms or an adjacent pair of R, groups form a hydrocarbyl ring fused to the cyclopentadienyl moiety ;

X each occurrence is hydride or a moiety selected from halo, alkyl, silyl, germyl, aryl, amide, aryloxy, alkoxy, siloxy and combinations thereof having upto 20 non-hydrogen atoms ;

Y is -O-, -S-, -NR\*-PR\*-, or a neutral two electron donor ligand selected from OR\*, SR\*, NR\*<sub>2</sub>, or PR\*<sub>2</sub>;

M is titanium, zirconium or hafnium ;

Z is SiR\*<sub>2</sub>, CR\*<sub>2</sub>, SiR\*<sub>2</sub>, SiR\*<sub>2</sub>, CR\*<sub>2</sub>, CR\*<sub>2</sub>, CR\*<sub>2</sub>, CR\*, CR\*<sub>2</sub>, SiR\*<sub>2</sub>, GeR\*<sub>2</sub>, BR\*, BR\*<sub>2</sub> ;

R\* each occurrence is hydrogen or a moiety selected from alkyl, aryl, silyl, halogenated alkyl, halogenated aryl groups, and combinations thereof having up to 20 non-hydrogen atoms or two or more R\* groups from Z or both Y and Z from a fused ring system ; and

n is one or two,

and

(b) an activating coactylast selected from the group consisting of aluminoxanes, Lewis acids, and non-interfering oxidizing agents ;

wherein the molar ratio of activating cocatalyst to coordination complex being from 1 : 0.1 to 1 : 10 000 and the equivalent ratio of monomer to said catalyst being from 1 X 10<sup>10</sup> : 1 to 100 : 1,

Reference cited ; U.S. Patent No 3 645 992,

Europe Patent No 277004.

Agent : M/s. DePenning &amp; DePenning

(Comp, 104 pages

Drwgs 17 sheets)

Ind. Cl. : 34 A

178744

Int. Cl.<sup>4</sup> : B 29 D 7/ 00

## A SEMICRYSTALLINE BIORIENTATED COMPOSITE POLYESTER FILM.

Applicant : RHONE-POULENC FILMS, A FRENCH BODY CORPORATE, OF 25, QUAI PAUL DOUMER 92-108, COURBEVOIE, FRANCE.

Inventors : 1. JEAN-PIERRE ASSANTE, 2. PHILIPPE CORSI, 3. DIDIER VEYRAT.

Application No. 620/Mas/90 filed on 30th July- 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 6 Claims

A semicrystalline biorientated composite polyester film comprising a relatively thick filled or unfilled layer (A) and, on at least one of the faces of the layer (A), a coextruded polyester layer (B) having a thickness less than that of the layer (A), having the following surface characteristics : R<sub>1</sub> ≤ 3μm and peak density, expressed as the ratio R<sub>t</sub>/R<sub>a</sub>, ≤ 10: and containing a filler having: a mean diameter- D<sub>50</sub>=1.5

to 2.5  $\mu\text{m}$ , and a monodispersity  $I \leq 1.2$ ; wherein the amount of filler present in the layer (B) represents from 5 to 35% by weight of the polyester forming said layer (B).

Reference: U.S. Patent Nos. 3634558 & 2801185.

Agent: Depenning & Depenning.

(Com. 25 pages Drwgs. 0 sheets)

Ind. Cl. : 39 O 178745

Int Cl4 : C 01 B 33/20.

#### A METHOD OF PREPARING A BETA ZEOLITE.

Applicant: CHEVRON RESEARCH AND TECHNOLOGY COMPANY, A CORPORATION DULY ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, USA OF 555 MARKET STREET SAN FRANCISCO, CA., USA.

Inventors : 1. STACEY I. ZONES, USA, 2. D. L. HOLTERMANN, USA, 3. L. W. JOSSENS, USA, 4. D. S. SANTILLI, USA, 5. A. RAINIS, USA, 6. S. N. ZIEMER, USA.

Application No. 699/Mas/90 filed on 3rd September 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 4 Claims

A method for preparing a beta zeolite comprising the steps of (a) preparing an aqueous mixture containing sources of a bis [1-azonia bicyclo [2.2.2.] Octane]oc' w alkane diquaternary ammonium ion, an oxide selected from boron oxide, and an oxide selected from silicon oxide, germanium oxide, and mixtures thereof; (b) maintaining the mixture at a temperature of at least 140°C until the crystals of said zeolite form; and (c) recovering the crystals of said beta zeolite in a known manner.

References : U.S. Patent Nos. 4544538, 4665110, & 4788169.

Agent : Depenning & Depenning. Madras.

(Com. 50 pages Drwgs. 0 sheet)

Ind. Cl. : 42 D 178746

Int. Cl4 : A 24 B 13/02

#### A METHOD OF PROCESSING WHOLE LEAF OF TOBACCO.

Applicant: BRITISH-AMERICAN TOBACCO COMPANY LIMITED OF PO BOX 482, WESTMINSTER, HOUSE, 7 MILLBANK LONDON SW1P 3JE ENGLAND.

Inventors : BARBARA CAROL KLAMMER, ENGLAND. ROY LESTER PROWSE, ENGLAND.

Application No. 736/Mas/90 filed, on 17-9-90.

Convention Dated : 18th Sep. 1989 No. 8921113.3 (UK).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 13 Claims

A method of processing whole leaf tobacco wherein the moisture content of a major portion of the said tobacco leaf is below its transition moisture content as herein defined to produce a smoking article comprising a particulate mixture Of flakes of lamina and substantially intact pieces of stem, the said lamina flakes being suitable for incorporation in smoking articles without further size reduction, the method comprising the steps of milling the said whole tobacco leaf in a single pass through a mill having first and, second leaf

reduction elements, drive means for relatively moving the said elements and a flow path between and across the opposed faces of the said elements.

Agent: M/s. DePenning & DePenning.

(Com. 29 pages

Drives. 7 sheets)

Ind. Cl. : 85 B J 178747

Int. Cl4 : F 27 D 1/00

#### A HOT BLAST MAIN.

Applicant : HOOGOVENS STAAL B V, OF PO BOX 10.000, 1970 IJMUIDEN, THE NETHERLANDS, A DUTCH COMPANY.

Inventors: 1. HERMAN THOMASSEN, 2. ING. RONALD JOHANNES MARIA STOKMAN:

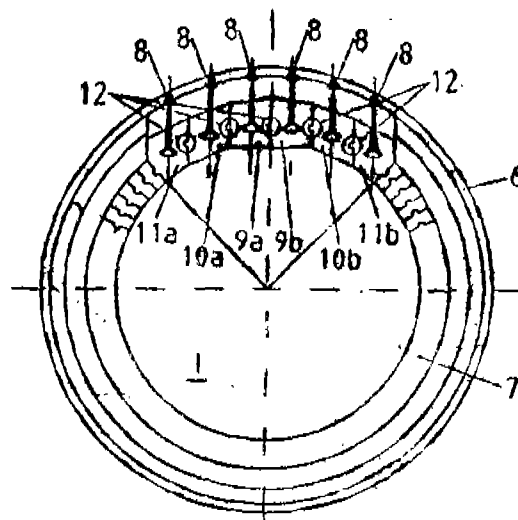
Application No. 802/Mas/90 filed on 9-10-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 4 Claims

A hot blast main comprising a first hot blast main and a second hot blast main which joins into said first main at a junction, each said main extending substantially, horizontally at the region of said junction and having a steel jacket which is substantially circular in cross-sectional view perpendicular to the axis of the hot blast main, the said steel jacket being provided with refractory brickwork to bind a passage for the hot blast through the main, wherein the said brickwork is formed by shaped bricks suspended from the said jackets of the said first and second mains at the top side of both the first and second mains at the said junction and the said steel jackets of circular cross-section of said first and second mains are coupled directly to each other without interposition of any intermediate jacket pieces.

Agent : Depenning & Depenning.



(Com. 11 pages

Drwgs. 1 sheet)

Ind. Cl. : 32 E

178748

Int. Cl4 : C 08 G 63/00.

#### PROCESS FOR THE CONTINUOUS PRODUCTION OF HIGH MOLECULAR WEIGHT POLYESTER RESIN.

Applicant, PHOBOS N.V., A NETHERLANDS ANTILLES COMPANY, OF DE RUYTER KADE 62, CURACAO, NETHERLANDS ANTILLES.

Inventor : GUIDO GHISOLFI, ITALY.

Application No. 805/Mas/90 filed on October 10, 1990.

Appropriate Office for Opposition Proceedings (Rule -1, Patents Rules, 1972) Patent Office, Madras Branch.

#### 10 Claims

A process for the continuous production of high molecular weight polyester resin from polyester resin having a lower molecular weight, wherein the said resin is blended in a molten state with a dianhydride of an aromatic tetracarboxylic acid, the said dianhydride accelerating the increase in viscosity of the melt transforming the said high viscosity melt into a granulate and thereafter treating the said granules in a polycondensation reactor to obtain the high molecular weight polyester resin.

Agent: DePenning & DePenning.

(Com. 21 pages)

Ind. Cl. : 34 A 178740  
Int. Cl.<sup>4</sup> : C 08 L 23/08.

"HEAT-SHRINKABLE FILM AND A METHOD OF MAKING THE HEAT-SHRINKABLE FILM".

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, U.S.A., OF 3M CENTRE, SAINT PAUL, MINNESOTA 55144-1000 U.S.A.

Inventors : (1) BRADLEY WAYNE EATON, U.S.A.  
(2) LEIGH EARL WOOD, U.S.A.

Application No. : 906/Mas/90, filed on November 12, 1990.

Appropriate Office for Opposition Proceedings (Rule A, Patents Rules, 1972), Patent Office, Madras Branch.

#### 21 Claims:

Heat-shrinkable film comprising a blend of from 40 to 85 parts by weight of an EVA (ethylene vinyl acetate) copolymer and from 60 to 15 parts by weight of an (A-B) block copolymer where A is polystyrene and B is selected from polyisoprene, polybutadiene, and poly (ethylenebutylene) said film has been uniaxially cold-stretched at least three times and shrinks in the stretched direction at least 25% within 5 seconds at 54°C.

Agent : DePenning & DePenning.

(Compl. Specns : 20 pages; Drngs : 1 Sheet)

Ind. Cl.<sup>4</sup> : 130-I 178750  
Int. Cl.<sup>4</sup> : C 22 B 58/00.

"PROCESS FOR THE RECOVERY OF GALLIUM PRESENT IN A BASIC SODIUM ALUMINATE SOLUTION".

Applicant : RHONE-POULENC CHIMIE, FRENCH BODY CORPORATE, OF 25 QUAI PAUL DOUMER, 92408 COURBEVOIE, FRANCE.

Inventors : (1) YVETTE PESCHER,  
(2) JEAN-LOUIS SABOT.

Application No. : 913/Mas/90 filed on 14-11-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 22 Claims

Process for the recovery of gallium present in a basic sodium aluminate solution (A), which comprises :

contacting the said basic solution (A) with a medium (1) comprising a known gallium extracting agent either dissolved in a water-immiscible organic solvent or impregnated in or supported by a solid porous substrate such that the gallium is passed, from the basic solution (A) into the medium (1);

separating the medium (1) and the basic solution (A);

re-extracting the gallium from the medium (1) by contacting the medium (1) with an aqueous solution of a strong base (B);

contacting the aqueous solution (B) comprising gallium with a second medium (11) comprising a known gallium extracting agent either dissolved in a water-immiscible organic solvent or impregnated in or supported by a solid porous substrate such that the gallium is passed from the aqueous solution (B) into the medium (11);

separating the aqueous solution (B) from the medium (11);

re-extracting the gallium by contacting the medium (11) with an aqueous phase (C); and

separating an aqueous phase (C) comprising gallium from the medium (11).

References : U.S. Patent No. 4485076 & 41559203.

Agent : DEPENNING & DEPENNING.

(Compl. Specns : 23 pages; Drwngs : 1 Sheet)

#### OPPOSITION PROCEEDINGS U/S. 25

The Opposition entered by Shri Ashot Baran Guha, Calcutta to the grant of Patent on Application No. 458/Cal/87 (168330) made by M/s. Lipton India Limited, Calcutta as notified in the Part III, Section 2 of the Cassette of India dated 21st September, 1991 has been dismissed and it is ordered that the application shall proceed to sealing in the prescribed manner.

#### AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that NYCOMED DAK A/S LER-GRANSVEJ 59 DK-2300 COPENHAGEN DENMARK have made an application under Section 57 of the Patents Act, 1970 for amendment of application and application of their application for Patent No. 176980 (686/Mas/93) for PROCESS FOR PREPARING CRYSTALLINE ANHYDROUS PODOPHYLLO TOXIN.

The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras 600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed form-30 within 3 months from the date of Notification at the Patent Office Branch, Madras-2. If the Written Statement of opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said Notice.

#### CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

In pursuance of leave granted under Section 20(1) of the Patents Act, 1970 application for Patent No. 452/Del/90 (178465), of Oystein Vennesland, Ole Arfinn Opsahl and John B. Miller has been allowed to proceed in the name of Norwegian Concrete Technologies A/s., Norway.

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 167436 dated the 20th May, 1986 made by Sony Corporation on the 10th May, 1995 and notified in the Gazette of India Part III, Section 2, dated the 12-10-1996 has been allowed and the said Patent restored.

## RENEWAL FEES PAID

176451	176453	176455	176463	176471	176472	165511
165292	175233	174228	174925	174601	162739	162740
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## PATENT SEALED ON 16-05-97

177113 177135 177136 177137\*D 177138 17714 177141\*D  
 177142\* 177143 177144\*F 177145\*F 177150\*F 177163\*  
 177166 177167 177168\*F 177169 177170\* 177172 177174  
 177176 177177 177181\* 177182\* 177183 177186 177187  
 177188 177189\*D 177191 177193 177194\* 177195 177196

CAT. - NIL, DEL - 16, MUM - 18, CHEN - NIL

\*Patent shall be deemed to be endorsed with the world LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents

F—Food Patents

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open for inspection for period of two years from the date at registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 171854, Wilson Joseph, residing at Room. No. 6, Building No. 12, P.M.G. Colony, Mahakali Road, Andheri (E), Mumbai-400093, Nationality Indian, "ELECTRICAL HEATING DEVICE", 23rd July, 1996.

Class 1. No. 171846, Mansukhbhai Mohanbhai Sagpariya, an Indian, adult, residing at Harda Bhuvan, 7, Manhar Plot, Rajkot-360 001, Gujarat, India, "FOOT VALVE", 19th July, 1996.

Class 1. No. 171839, Telefonaktiebolaget L M Ericsson (PUBL), of S 126-25, Stockholm, Sweden, "A COMMUNICATION TERMINAL", 19th Jul, 1996.

Class 1. No. 171838, Mercedes-Benz AG, a German Company of 136 Mercedesstasse, D 70327, Stuttgart, Germany, "A MOTOR VEHICLE", 18th July, 1996.

Class 3. No. 171887, Amar International, 330, Katra Hussain Bux, Khari Baoli, Delhi-6, India, a proprietorship firm, "BOTTLE", 26th July, 1996.

Class 3. No. 171875, Aristocrat Plastic Pioneers, B 70/45, D.S.I.D.C. Complex, Lawrence Road, Delhi-35, India, a registered partnership firm, "SELF INKING STAMP", 25th July, 1996.

Class 3. No. 171874, Koa Tools India Ltd., C 14, Phase II, Noida, Ghaziabad, U.P., India, an Indian Company, "SWITCH BOX", 25th July, 1996.

Class 3. No. 171870, Henkel KGaA, of 40191, Dusseldorf Deutschland, Germany, a German Company, "A DEVICE FOR DELIVERY A PRODUCT CONTAINED IN A CARTRIDGE", 24th July, 1996.

Class 3. No. 171868, Wolf-Dietrich Richter, of 106 Old Main Road, Botha's Hill, 3660, Republic of South Africa, an Austrian citizen, "REFLECTOR STUD FOR ROAD", 24th July, 1996.

Class 4. No. 171888, Bulgari S.p.A., an Italian Company of Lungotevere Marzio II, Rome, Italy, "A BOTTLE", 30th July, 1996.

Class 6. No. 171889, Thukral Optics Pvt. Ltd., 6/221/1, Kandle Kasam Street, Fatehpuri, Delhi-6, India, an Indian national Company, "SUN GLASSES COVER", 30th July, 1996.

T. R. SUBRAMANIAN

Controller General of Patents, Design & Trade Marks

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मूद्रित  
 एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1997

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 AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1997

